

ABSTRACT

A feedforward equalizer for DFE based detector is provided comprising a digital to analog converter to convert an analog signal to a digital signal. A feedforward equalizer comprises a high-pass filter and is responsive to the input circuit. The high-pass filter has a low cutoff frequency, has a relatively flat response and has high attenuation at low frequencies. A decision feedback equalizer comprises a decision circuit responsive to the feedforward equalizer, and a feedback filter is responsive to the decision circuit. The decision circuit is also responsive to the feedback filter.

DETECTOR
PATENT
APPLICATION